

WHAT IS CLAIMED IS:

*sub* 1. A solid phase dispersion comprising a quinolone- or naphthyridonecarboxylic acid in an insoluble matrix.

*sub* 2. The dispersion according to Claim 1, wherein the insoluble matrix is selected from the group consisting of shellac, high molecular weight polyethylene glycol, polyvinyl alcohol, poly(D.L.-lactic co glycolic and sugars.

3. The dispersion according to Claim 2, wherein the insoluble matrix is shellac.

*sub* 4. The dispersion of Claim 1, wherein quinolone- or naphthyridonecarboxylic acid and the insoluble matrix are in a ratio of 1:0.5 to 10.

5. The dispersion of Claim 4, wherein quinolone- or naphthyridonecarboxylic acid and the insoluble matrix are in a ratio of 1:5.

15 6. A method of preparing a solid dispersion of a quinolone- or naphthyridonecarboxylic acid, comprising forming a hydrate of the quinolone- or naphthyridonecarboxylic acid, mixing quinolone- or naphthyridonecarboxylic acid with an insoluble matrix, heating the mixture until it flows, and micronizing the mixture.

20 7. A feed formulation comprising feedstuff and the solid phase dispersion of Claim 1.

*sub* 8. A process for improving animal uptake of quinolone- or naphthyridonecarboxylic acid comprising orally administering to the animal a solid phase dispersion of a quinolone- or naphthyridonecarboxylic acid and an insoluble matrix in an effective amount to mask the taste of the active.